

# Disc-Go-Devil User Guide

Best selling professional disc repair machine in the UK



*This takes just a few minutes to read and contains vital information for the proper use of this machine...*

## What's In This User Guide?

- Getting started - repair a disc right now
- Getting to know your machine and how it works
  - Advanced features of your machine
- Maintenance and other useful information

# Getting Started

## Initial setup

With the machine you will find a setup sheet which explains how to set up your machine. This includes a list of contents.

## Basic operation

Choose a disc that has light scratches on it, this will help you learn how much time an average repair will take.



### Repair process:

1. Open the lid using the lid catch button.
2. Place the disc shiny side up on the turntable.
3. Close the lid and switch on the machine.
4. Use the arrow buttons to select the light repair cycle. Push the button to begin the repair process.
5. Once the cycle has finished, open the lid.
6. Remove the repaired disc.
7. Spray and wipe it clean using the cloth and disc spray.



You can finish a cycle early by pressing , or immediately stop the cycle by pressing . In an emergency you can stop the machine with the power switch.

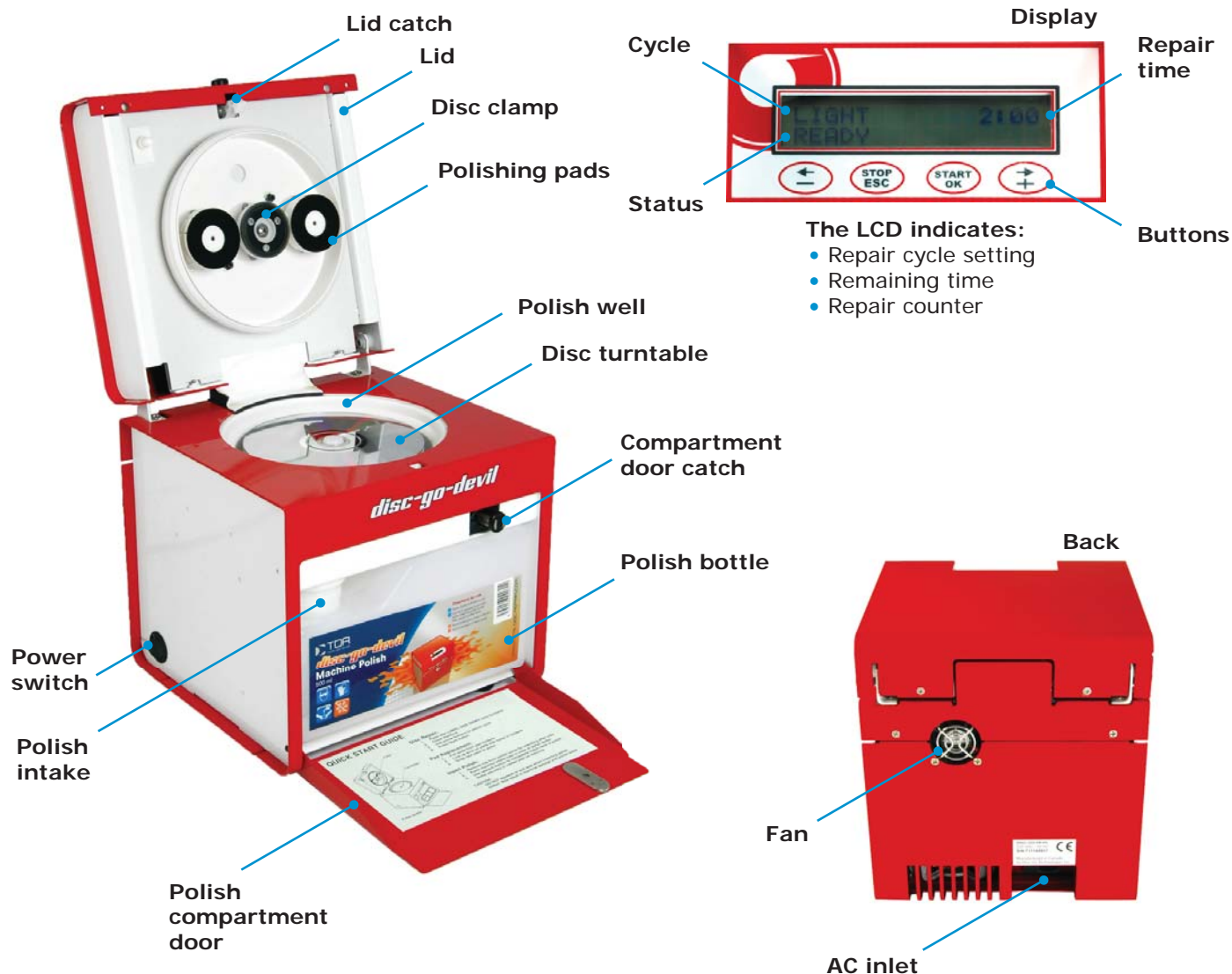
## Inspecting a repaired disc

Inspect the disc, the light repair should have made a visible improvement.

If a more heavily damaged disc was chosen the disc may need an additional repair.

Using the cycles options light, medium and heavy, try discs with different levels of damage to get a better understanding of what the machine can do.

## Parts of the machine



# Getting To Know The Machine

## Understanding the repair cycle




Now that you have already repaired your first disc here is a more in-depth look at the process.

The Disc-Go-Devil is a single-stage disc repair machine. This means that the longer the repair time the deeper the repair. This is achieved by the liquid abrasive within the polish.

## Selecting different cycle times

There are three set cycle times for the machine:

Repair Mode	Repair Time	Description
Heavy	8:00	Deep scratches
Medium	5:00	General scratches
Light	2:00	Scuffs & light marks

1. Once on the desired cycle setting, insert disc and close the lid.
2. To select different cycle times use the arrow keys;   to scroll through the options.
3. Press  to begin the repair.



The Disc-Go-Devil has a custom cycle time option. For more information see "Customising repair cycle times" later in the Advanced Features section.

## Using the consumables

The Disc-Go-Devil uses a combination of abrasive liquid and a fibrous pad to repair the disc. The pad and polish are designed to wear at the same time.

Towards the end of the life of the consumables the fibres of the pad wear away, this makes them less effective.

The liquid is recycled back in to the bottle which means the polish bottle never empties. However over time the polish particles reduce which makes the polish less effective too.

Therefore it is very important to change both the polish and the pads at the same time. Using used polish with new pads or new polish with old pads will greatly reduce the quality of repair.

The polish is water based and contains no harmful substances. The Material Safety Data Sheet (MSDS) for the polish can be accessed from our website:

[www.totaldiscrepair.com/DGDPolishMSDS](http://www.totaldiscrepair.com/DGDPolishMSDS)

## The consumables pack

The Disc-Go-Devil consumables are supplied in packs. This includes the correct ratio of pads and polish. When changing the consumables make sure that the pads and polish are changed at the same time.



## Regular consumables options



Consumables pack (standard):  
8594066020321

Contents: 1 x Polish bottle (500ml)  
1 x Pair of pads  
1 x Cleaning cloth  
1 x CD spray (50ml)



Consumables pack (XL):  
5055378100499

Contents: 1 x Polish bottle (2 litre)  
4 x Pair of pads  
4 x Cleaning cloths  
1 x CD spray (50ml)

## Changing the consumables

When the consumables reach the end of their life (after 400 minutes), the machine will display a message\* telling you to change the pads and polish. It is really important to do this when prompted.

(this will only display if the batch counter was set when the current consumables were installed).



In case the batch counter was not reset the indication that the consumables need changing is when the repair quality deteriorates rapidly.

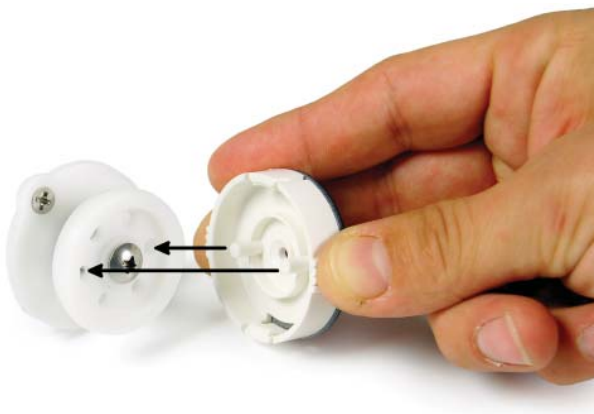
\*Machines pre June 2008 (serial number 711144530) do not have a batch counter function.



# Getting To Know The Machine

## Changing the pads

1. Open top lid.
2. Press in tabs on each side of used pads and pull to remove.
3. With new pads, line up the two pins on the back of the new pads with any two holes in the pad holders.
4. Each pad will 'snap' into place when fitted correctly.



## Changing the polish

1. Open polish compartment.
2. Remove polish bottle (used bottle will not be empty).
3. Shake new polish bottle really well (until sediment has dissolved).
4. Remove and keep cap.
5. Tilting the bottle at an angle, place intake tube inside the neck of the new polish bottle.
6. Ensure rubber seal is inserted fully in the neck of the bottle before pushing into place.










## Using the batch counter

The Disc-Go-Devil records in minutes the time it has been operational for. There are two counters: one for the total repairs for the life of the machine and a second for individual batch operation, which can be reset at any point.



### To view either counter:

1. Use the arrow buttons   to navigate to "System" on the display.
2. Push , select "Counters", and then choose the desired counter using the arrow buttons.
3. To reset the batch counter, select "Batch Counter", press , then press  until it reads "Start to Reset".
4. Press  to confirm ("Counters Cleared"). You can use  to return to the main menu.



# Maintenance And Information

## General maintenance

The machine requires little maintenance, but as it uses a liquid abrasive it is essential it is kept clean. Polish left inside the machine for long periods can harden, causing damage to your discs and the machine itself.

If the machine is in daily use then the cleaning process should be done weekly. The machine should be cleaned if it is going to be left unused for more than a two days. It is very important to clean before each new consumables pack is fitted.

It is also advisable to frequently clean the surfaces of the machine using a soft damp cloth. Use the disc spray on the outside of the machine to achieve a shiny surface.

### Cleaning process:

The machine's internal working parts are cleaned using the following procedure:

1. Place a blank disc inside the machine, label-side down.
2. Remove the polish bottle containing polish from the polish compartment.
3. Fill an empty polish bottle with cold water and insert into the polish compartment.
4. Press **START OK** on any cycle and run for 20 to 30 second and then press **STOP ESC** to end the cycle.
5. Dispose of the now milky water, refill with clean cold water and repeat the process (This can be repeated several times if the water still looks very milky or cleaning has been neglected for some time)
6. Open the machine's lid and let the machine dry.

### Machine limitations:

The Disc-Go-Devil is designed to repair up to 60 discs per day, 7 days per week. Excessive use of the machine may reduce its lifespan and in extreme cases void warranty.

## Replacement parts

The Platen Pad and Disc Clamp Tip Rubber are semi-durable parts and will require replacement from time to time. The better the machine is maintained the longer these parts will last.

Please visit the website or contact Technical Support for more information:

[www.totaldiscrepair.co.uk/devil](http://www.totaldiscrepair.co.uk/devil)

**Freephone: 0800 412 5424**

## Troubleshooting

Problem	Possible cause	Solution
Machine does not power up	No power	Check power outlet, connection and power switch
Machine still does not power up	Blown fuse	Replace fuse - Use flat screwdriver to remove the fuse holder on the power socket. The holder contains the "live" fuse and one replacement
Machine slows (pump can be heard, but main motor struggles)	Old or dislodged pads	Replace pads (and polish) and clean pad holders
Machine is leaking polish	Misaligned polish bottle	Remove polish bottle. Check bottle seal (in the machine) for damage. Place the bottle back in, making sure that the seal rim goes inside bottle neck and doesn't get tightly squeezed
Pads repeatedly fall off	Defective pads	Change pads
Decreased disc repair quality	Over-used consumables/pads	Replace polish and pads. Clean machine on a regular basis

## Ordering consumables

### Consumables stock codes



Consumables pack (Standard)  
8594066020321



Consumables pack (XL)  
5055378100499



Cloth & spray pack (Standard)  
5055378101656



Cloth & spray pack (XL)  
5055378101663

### Semi-durable part stock codes



Platen rubber  
5055378103483



Disc clamp tip rubber  
5055378102806

As well as the consumables listed, there is also a range of parts available to order. There's free shipping for all orders placed online at:

[www.totaldiscrepair.co.uk/consumables/disc-go-devil](http://www.totaldiscrepair.co.uk/consumables/disc-go-devil)

Alternatively, you can give us a call, but shipping charges apply to telephone orders:

**01202 489 500**

# Advanced Features

## Counter functions

### Cycle counter function

The Disc-Go-Devil records in minutes the time it has been operational for. There are two counters total counter and batch counter.

### Viewing the counters

use the arrow buttons to navigate to "System" on the display. Push **START OK** button, select "Counters", and then choose the desired counter value.

### The total counter

The total counter displays the total number of minutes the machine has performed over its life (Please note this may be reset if the software or main PCB is changed during a service)

### The batch counter

The batch counter displays the number of minutes performed on the current consumables pack. At 400 minutes the machine will display a reminder to change the consumables.



## Resetting the batch counter

1. Use the arrow buttons to navigate to 'Settings' on the display.
2. Press **START OK**.
3. Using arrow keys scroll through to 'Batch Counter'.
4. Press **START OK**.
5. Use arrow buttons until display reads 'Start to Reset'.
6. Press **START OK** to confirm – display will read 'Counters Cleared'.
7. Press **STOP ESC** twice until 'System' is displayed.
8. Use arrow buttons to go back to cycle times.
9. At 400 minutes press arrow buttons until 'Start To Reset' is displayed.
10. Press **STOP ESC** to reset the counter.



## Customising the cycle times

The machine's repair cycles can be changed to accommodate individual user needs.

1. Press and hold **START OK** for one second to display 'Program Mode' on the screen.
2. When it says 'Light Ready' then use the arrow buttons to increase or decrease the cycle time.
3. When the desired time is reached, press **START OK** again to confirm and save.



## Language preferences

The machine is equipped with several pre-programmed menu languages.

1. Use the arrow buttons to navigate to 'System' on the display.
2. Press **START OK**.
3. Select 'Settings' and then 'Language'.
4. Select the desired language and press **START OK** to save your selection.
5. Use **START OK** to return to the main menu.



## GameCube repairs

Using a GameCube adapter (sold separately) it is possible to repair GameCube discs.

1. Position the GameCube adapter onto the platen.
2. Attach the adapter to the platen pad.
3. Put the disc onto the platen making sure it sits flush inside the adapter.
4. Run a repair as normal.

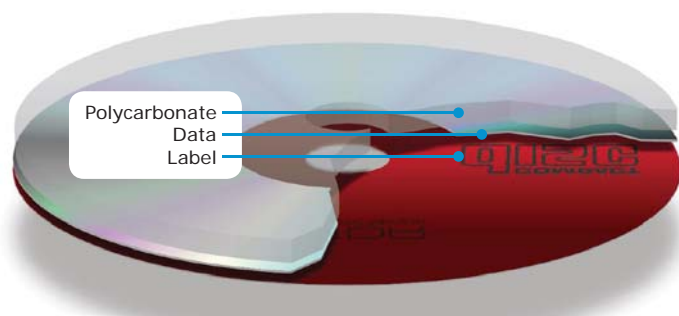




# Disc Types

## CDs

When discs were invented the process of construction was quite simple. These are what we call CD discs. To produce the disc, a solid polycarbonate disc was made. Then the data layer was applied to the top surface of the disc. To protect this data layer, a lacquer, or label, was then applied over the top of the data layer.



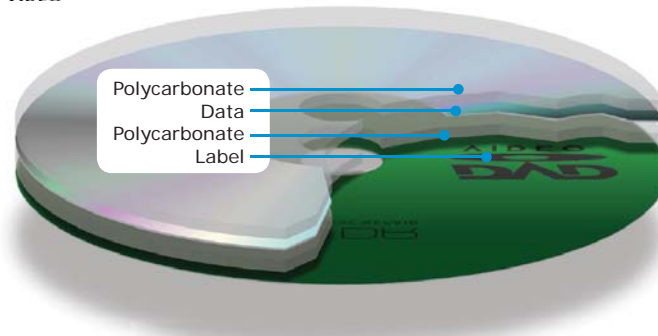
This made the data layer quite vulnerable because any scratch to the label could damage the data layer beneath. If a scratch has reached the data layer it is not repairable. Disc repair can only repair the polycarbonate on the underside of the disc.

### Formats:

- Audio Books
- Audio CDs
- CD-ROMS
- Playstation version 1 discs

## DVDs

The early CDs were mainly used for audio and so often a small scratch was not enough to disrupt the data. However as the data on discs became more complicated it became more important to protect the data layer. On DVD discs the data layer is sandwiched in the middle of the disc between two pieces of polycarbonate. This protects the data layer and makes the disc virtually indestructible. The only issue with this type of disc is that the two layers of disc can separate around the whole in the centre of the disc, although this is quite rare.



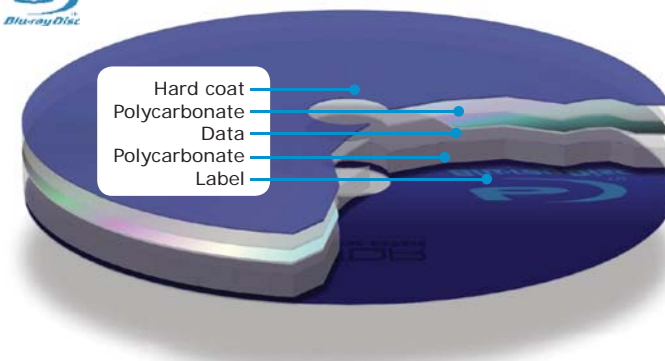
Because the data is so protected virtually all DVD discs can be repaired by the disc repair process.

### Formats:

- DVDs
- Playstation 2 discs
- Xbox
- Wii
- DVD ROM

## Blu-rays

With the invention of High Definition (HD) there was a need to carry more information on a disc and soon the data space on a DVD was not enough. Sony solved this with the invention of the Blu-ray disc.



It is essentially the same as a DVD with 2 main differences:

1. The polycarbonate on the bottom of the discs is much thinner than a DVD and so the number of times that the same disc can be repaired falls to around 10-15.
2. The polycarbonate on the bottom of the disc has a hard coated lacquer on top of it. This hard coat reduces the chance of the disc being scratched in the first place, but nonetheless scratches can still happen.

### Formats:

- Blu-ray film
- Playstation 3

# Good machine use and safety...

Here are a few simple tips for you to get the most out of your disc repair machine.

## *We're here to help!*

- ▶ Our Technical Support Team is on hand five days a week to help you. You can reach us by phone or email & there is also information on our website.
- ▶ Whenever you have a question, or if you suspect a problem, we'd love to hear from you – calls are free!
- ▶ Most things can be dealt with over the phone, though our turn-around time for repairs is pretty quick.

## *Staying safe whilst repairing...*

- ▶ Locate and use the machine in a safe and suitable location.
- ▶ Never use a damaged power cable, or any other than the one supplied.
- ▶ Touching the machine or its plug with wet hands could cause injury.
- ▶ Seek medical attention if the polish comes in contact with your eyes or mouth.
- ▶ Please keep the machine out of the reach of children.

## *Prevent damage to your machine...*

- ▶ Running a repair cycle on the machine without a disc on the tray may cause damage to the pads and tray surface.
- ▶ To clean the machine just use a damp cloth and a bit of CD spray can help. Please don't clean the machine by running it under a tap, electronics don't like water!
- ▶ Please contact us before disassembling the machine in any way.

## *Prevent voiding your warranty...*

- ▶ Only use authentic TDR consumables in your machine, 'home brew' products invariably cause damage to the machine and of course void the warranty.
- ▶ Making unauthorised modifications to your machine is dangerous and will also void your warranty.
- ▶ Not using the machine in the way instructed by this user guide may also affect your warranty if faults occur.

## Contacting Technical Support:

Freephone:

# 0800 412 5424

Lines are open Monday to Friday, 9am to 5pm (excluding Bank Holidays).

Email:

# support@totaldiscrepair.co.uk

We aim to respond within an hour, though it could be up to one working day.

Thank you once again for buying with TDR and joining our extensive network of professional disc repairers, we recommend putting this sheet up near your machine for reference. If personal injury or damage to your machine or property occurs as a result of not following these instructions, TDR can not be held liable.